

MATERIAL SAFETY DATA SHEET

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Section 1. Chemical Product and Company Identification

Product Name: **Vigoro Lawn Fertilizer 27-3-3 Plus Weed Control**

Manufacturer's Name IMC VIGORO	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) P.O. Box 512	Telephone Number For Information 888-844-6761
Winter Haven FL 33882	Date Prepared 5 September 1996
	Signature of Preparer (optional) Michael Archer, ASSE

Section 2. Composition / Information on Ingredients

Component - one or more of the following:	CAS Registry #	Exposure Limits	
		ACGIH TLV	OSHA PEL
MCPA (0.15-0.95% by weight)	2039-46-5	Not est.	Not est.
Mecroprop (0.15-0.95% by weight)	32351-70-5	Not est.	Not est.
Dicamba (0.05-0.45% by weight)	1918-00-9	Not est.	Not est.
V-Cote	Mixture	Not est.	10 mg/m3
Urea	57-13-6	Not est.	10/mg/m3
Ammonium phosphate	7783-28-0	Not est.	10 mg/m3
Potassium chloride	7447-40-7	Not est.	10 mg/m3
Iron Sulfate	7720-78-7	Not est.	10 mg/m3
Absorbent	Mixture	Not est.	10 mg/m3

Section 3. Hazards Identification

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EMERGENCY OVERVIEW

May cause moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

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POTENTIAL HEALTH EFFECTS:

EYE CONTACT: May cause moderate eye irritation.

INHALATION: No adverse effects expected.

SKIN CONTACT: Prolonged exposure may cause skin irritation.

INGESTION: May cause irritation of gastro-intestinal passages.

CHRONIC EFFECTS / CARCINOGENICITY: No effects known.

Section 4. First Aid Measures

EYE CONTACT: Flush eyes with water for 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Wash promptly with plenty of soap and water and rinse thoroughly. Get medical attention.

INGESTION: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

Section 5. Fire Fighting Measures

FLAMMABLE PROPERTIES:

FLASH POINT: Not applicable

METHOD USED: Not applicable

FLAMMABLE LIMITS

LFL: Not applicable

UFL: Not applicable

EXTINGUISHING MEDIA: Use fire fighting media as for surrounding fire.

FIRE & EXPLOSION HAZARDS: Cyanic acid, NH₃, HCN, CO, NO_x, biuret and phosphates. Does not contain ammonium nitrate.

FIRE FIGHTING INSTRUCTIONS: Keep all persons upwind of smoke and vapors. Waters from fire fighting may be hazardous and should be contained to prevent their access into natural and drinking waters. Analyze waste waters before disposal.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and full body protection.

Section 6. Accidental Release Measures

Sweep up material as soon as spilled to prevent contamination. Repackage in labeled container and use as directed on original package label. Dispose of unusable material as directed in "Disposal Considerations."

Section 7. Handling and Storage

Always use original container to store pesticides and keep any bags containing unused product in locked storage area inaccessible to children and domestic animals. Do not store near other feed or foodstuffs. To prevent cross-contamination, do not store near open containers of fertilizers, seed or other pesticides.

Section 8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: Use outdoors only.

RESPIRATORY PROTECTION: None required if PEL is expected to be below 10 mg/m³.

SKIN PROTECTION: As necessary to keep off skin.

EYE PROTECTION: Use eye protection if granules may come in contact with eyes.

Section 9. Physical and chemical Properties

APPEARANCE:	Granules	PHYSICAL STATE:	Dry
BOILING POINT:	Not applicable	SOLUBILITY IN WATER:	Nearly 85%
EVAPORATION RATE:	Not applicable	SPECIFIC GRAVITY:	1.2
FREEZING POINT:	Not applicable	VAPOR DENSITY:	Not applicable
MELTING POINT:	Not applicable	VAPOR PRESSURE:	Not applicable
MOLECULAR WEIGHT:	Not applicable	VISCOSITY:	Not applicable
ODOR:	None	% VOLATILE:	None
pH:	6.0-8.0		

Section 10. Stability and Reactivity

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS: Cyanic acid, NH₃, HCN, CO, Nox and biuret.

HAZARDOUS POLYMERIZATION: Does not occur.

Section 11. Toxicological Information

EYE: No specific data.

SKIN: Not considered to be a sensitizer.

INGESTION: No specific data.

INHALATION: No specific data. Unlikely route of entry.

CHRONIC / CARCINOGENICITY: Not listed on IARC, NTP or OSHA lists as a carcinogen.

Section 12. Ecological Information

ECOTOXICOLOGICAL INFORMATION: Drift or runoff may adversely affect non-target plants. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

Section 13. Disposal Considerations

Pesticide disposal: To dispose of bag which contains unused product, securely wrap original container in several layers of newspaper and discard in trash.

Container disposal: do not reuse empty bag. Fold empty bag and discard in trash.

Section 14. Transport Information (Not meant to be all inclusive)

D.O.T. SHIPPING NAME: Consumer commodity, non-hazardous classification

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA STATUS: Not listed.

TSCA STATUS: All components listed.

CERCLA REPORTABLE QUANTITY: 1,390,000 lbs. (Dicamba)

SARA TITLE III:**SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES** :Not listed.**SECTION 311/312 HAZARDOUS CATEGORIES** : Not listed.**SECTION 313 TOXIC CHEMICALS** : Not listed.**RCRA STATUS**:Not listed.**CALIFORNIA PROPOSITION 65**:Not listed.**MASSACHUSETTS**: Dicamba listed.**NEW JERSEY**: Not listed.**PENNSYLVANIA**: Dicamba listed.**Section 16. Other Information**

Information given herein is given in good faith, but no warranty, express or implied, is made. Information is accurate as of date noted. IMC Vigoro assumes no liability for product used not in accordance with label directions. Information for this Material Safety Data Sheet (MSDS) is compiled from individual component MSDS.